BRUHAT BENGALURU MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK : CONSTRUCTION OF COMPOUND WALL AND OTHER CIVIL WORKS AT KENCHENAHAL GOVT SCHOOL IN WARD NO.02 OF YELAHANKA SUB-DIVISION

Estimate Cost Rs. 20.00 Lakhs

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
1	KSRB 2-2.1 : **Earth work excavation** for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, **in ordinary soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No.5/Item No. 2.3)								
		Cum							
	for Compound Wall		1	116.00	0.90	0.75	78.30		
	Deduct Gate		-1	4.00	0.90	0.75	-2.70		
	RO Plant		-1	6.00	0.90	0.75	-4.05		
							71.55	200.34	**14334.33**
	Basic Rate	189.00							
	Area Weightage @ 6%	11.34							
	Total	200.34							
2	KSRB 2-1.1 : Earthwork in surface excavation in **ordinary soil** for **levelling and lowering** the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, specification, No. KBS 2.1 (a) / 2.3.1 (P.5/I.2.1)								
		Cum							
			1	48.00	7.00	0.30	100.80		
							100.80	166.42	**16775.14**
	Basic Rate	157.00							
	Area Weightage @ 6%	9.42							
	Total	**166.42**							
	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (Page No.133/ Item No 17.1)								
		Cum							
				Qty Vide Item No.1+2			**172.35**	100.00	**17235.00**
	Average Weight of Earth 1.28 Tonne/Km								
	Basic Rate Lead Charges for 10.00 Kms (2.50X1.28X10.00)	32.00							

Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
dd loading and unloading Item lo 17.1)	68.00							
Total	100.00							

SRB 4-1.3: Providing and laying in position plain cement concrete of mix :4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite netal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine nixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in oundation and plinth, including cost of all materials, labour, HOM of nachinery, curing complete as per specifications.Specification No.KBS 4.1, 4.2 P.12/I.4.3)

	Cum							
or Compound Wall		1	116.00	0.90	0.15	15.66		
Passage		1	30.00	1.00	0.15	4.50		
Deduct Gate		-1	4.00	0.90	0.15	-0.54		
RO Plant		-1	6.00	0.90	0.15	-0.81		
						18.81	5159.02	97041.17
Basic Rate	4867.00							
Area Weightage @ 6%	292.02							
Total	5159.02							

KSRB 5.2.3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 (Page No. 23/ Item No. 5.6)

	Cum							
for Compound Wall		1	116.00	0.90	0.60	62.64		
Deduct Gate		-1	4.00	0.90	0.60	-2.16		
RO Plant		-1	6.00	0.90	0.60	-3.24		
for Compound Wall		1	116.00	0.60	0.45	31.32		
Deduct Gate		-1	4.00	0.60	0.45	-1.08		
RO Plant		-1	6.00	0.60	0.45	-1.62		
						85.86	4438.22	381065.57
Basic Rate	4187.00							
Area Weightage @ 6%	251.22							
Total	4438.22							

Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
KSRB 5.2.3 : Providing and constructing granite / trap / basalt size stone masonry in superstructure with cement mortar 1:4, edges of stones chistle raised in courses not less than 15 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 (Page No. 23/ Item No. 5.13)								
	Cum							
for Compound Wall		1	116.00	0.45	0.45	23.49		
Deduct Gate		-1	4.00	0.45	0.45	-0.81		
RO Plant		-1	6.00	0.45	0.45	-1.22		
						21.47	5908.44	**126825.00**
Basic Rate	5574.00							
Area Weightage @ 6%	334.44							
Total	**5908.44**							
KSRB 5-11 : Providing and constructing load bearing wall with cement concrete cavities blocks (hollow blocks) of proportion 1:1.5:3 blocks of size **40x20x20cms.(lxbxh) strength not less than 3.5 Newton per sqmm** with cement mortar 1:4 conforming to I.S.2185 of 1967 having not less than 40mm.shell thickness with two or more large cavities and having solid material between including cost of materials, labour charges, scaffoldings, curing complete as per specifications. KBS No.5.4 (P.24 / I.N 5.25)								
	Sqm							
for Compound Wall		1	116.00		1.50	174.00		
Pillers		35	0.40		1.50	21.00		
Deduct Gate		-1	4.00		1.50	-6.00		
RO Plant		-1	6.00		1.50	-9.00		
						180.00	974.14	**175345.00**
Basic Rate	919.00							
Area Weightage @ 6%	55.14							
Total	**974.14**							
KSRB 15-3.10 : Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to Stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, cost of materials, labour, curingetc.,complete as per specifications (Page No.114/Item No.15.18)								
	Sqm							
for Compound Wall		2	116.00		1.50	348.00		
Deduct Gate		-2	4.00		1.50	-12.00		
RO Plant		-2	6.00		1.50	-18.00		

Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
op		1	106.00	0.20		21.20		
						339.20	274.54	**93124.00**
Basic Rate	259.00							
Area Weightage @ 6%	15.54							
Total	**274.54**							

SRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs with 20mm and down size graded granite metal coarse aggregate @ 0.84cum and fine aggregate @ 0.56 cum machine mixed concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1.4.2.(P No. 13 / Item No.4.7)

coping	Cum							
for Compound Wall		1	106.00	0.45	0.10	4.77		
		1	106.00	0.23	0.10	2.44		
						7.21	5598.92	**40357.00**
Basic Rate	5282.00							
Area Weightage @ 6%	316.92							
Total	**5598.92**							

Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete **(RMC)** M20 for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, for raft foundation, column footing, main and secondary beams with all lead and lifts etc.,complete (exclusive of cost of steel and fabrication charges.) Page No.18 / Item No. 4.48)

	Cum							
Passage		1	30.00	1.00	0.15	4.50		
						4.50	6231.74	**28042.83**
Basic Rate	5879.00							
Area Weightage @ 6%	352.74							
Total	**6231.74**							

Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
Providing and fixing M.S Gate as per chief architect drawing using 50mm x 0mm 14 guage M.S hollow pipe frame work bent to ornamental shape as hown in the drawinf and 35mm x 6mm and 16mm x16 mm squre rods for erticle alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S ats for horizontal member and at the top cast iron spikes are provided at lternate verticle members as shown in the drawingetc., complete all the steel urface shold be thoroughly cleaned free of dust and painted with anti orrosive paint (shop paint) etc.,complete the work includes cost of all materil abour charges for all items of work, hire charges for welding, cutting and rindingequipment and electrically charges with lead and lift, loading and nloading charges complete as per specification(P.42&43 / I.N 7.37)								
	Sqm							
		1	5.00		2.10	10.50		
		1	1.20		2.10	2.52		
						13.02	3238.30	**42163.00**
Basic Rate	3055.00							
Area Weightage @ 6%	183.30							
Total	**3238.30**							
Providing and fixing M.S. Grill Over existing compound wall as per using 16mm x 16mm M.S square rod at 150mm c/c spacing and 6mmx40mm M.S flats at horizontal and 6mmx12mm M.S flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding, wherever necessary.all the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc.,complete.the work includes cost all materials, labour charges for all items of work, hire charges for welding cutting and grinding equipment, and electricity charges, etc., (Page No. 42/ Item No. 7.36)								
	sqm							
		1	106.00		0.60	63.60		
						63.60	5537.44	**352181.1**
Basic Rate	5224.00							
Area Weightage @ 6%	313.44							
Total	**5537.44**							
KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. --do- with primer (Page No. 116 / Item No. 15.51.2)								
	Sqm							
for Compound Wall		2	116.00		1.50	348.00		
Deduct Gate		-2	4.00		1.50	-12.00		
RO Plant		-2	6.00		1.50	-18.00		

Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
)p		1	106.00	0.20		21.20		
						339.20	97.20	**32970.24**
Basic Rate	90.00							
Area Weightage @ 8%	7.20							
Total	**97.20**							

SRRB M400- Wet Mix Macadam - KSRRB M400-17. Providing, laying, spreading and ompacting graded stones aggregate to wet mix macadam specifications including pre nixing the material with water at OMC in mechanical mix plant carriage of mixed method f tipper to site, laying in uniform layers with paver in sub-base/base course on well repared surface and compacting with vibratory roller to achieve the desired density omplete as per specifications. MORTH Specification No. 406 (P.No.158 I.No.20.18)

	Cum							
		1	48.00	7.00	0.15	50.40		
						50.40	1768.08	**89111.23**
Basic Rate	1668.00							
Area Weightage @ 6%	100.08							
Total	**1768.08**							

KSRB 14.6-2 : Providing and laying **heavy duty cobble stones 60 mm** thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. (P No. 101 / Item No. 14.6)

	Sqm							
		1	48.00	7.00		336.00		
						336.00	966.72	**324817.92**
Basic Rate	912.00							
Area Weightage @ 6%	54.72							
Total	**966.72**							
					Sub-Total Amount			1831389.00
9% for KRIDL Charges on Sub-Total Amount (A)								164825.00
Miscellaneous and unforeseen charges								3786.00
					Grand Total Amount			2000000.00

(Rupees Twenty Lakhs Only)

TIFICATE

The site has been inspected and the work is found to be necessary.

The rates adopted are as per PW,P IWTD SR of 2016-17 and data rate of Bangalore Circle.

Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount

he provisions were made in this estimate are necessary and adequate.
he area comes under the Bruhat Bengaluru Mahanagara Palike Limits.

Assistant Engineer
Ward No.02

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

Executive Engineer
Yelahanka Division
B.B.M.P

TECHNICALLY SANCTIONED FOR Rs 20.00 lakhs
Rupees Twenty lakhs only
Under P. 3167.

EE/YNK/TS/24/17-18
Dated 10.11.2017 20.00 lacs

Administrative Approval
Accorded For 20.00 lakhs
Head of A/C P 3167
CER NO : 143 Dt: 10.11.17

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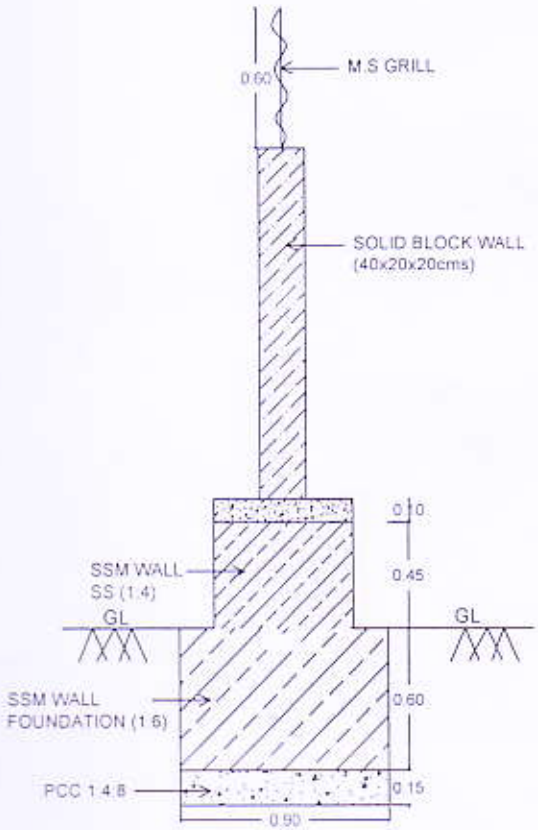
CE (YNK)

ME OF WORK : CONSTRUCTION OF COMPOUND WALL AND OTHER CIVIL WORKS AT KENCHENAHALLI GOVT SCHOOL IN WARD NO.02 OF YELAHANKA SUB-DIVISION



CROSS SECTION OF COMPOUND WALL

NAME OF WORK : CONSTRUCTION OF COMPOUND WALL AND OTHER CIVIL WORKS AT KENCHENAHALLI GOVT SCHOOL IN WARD NO.02 OF YELAHANKA SUB-DIVISION

KEY : NOT TO SCALE

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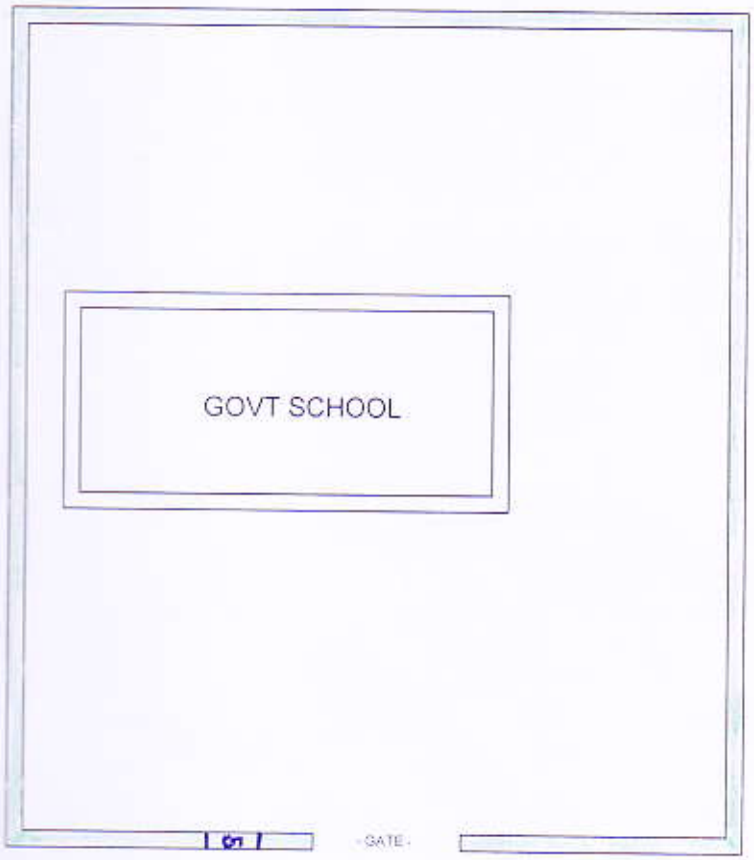

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Assistant Engineer
Ward No.02
B.B.M.P

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

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